	Application No.	Applicant(s)
Notice of Allowability	09/841,777	PENG, LUOSHENG
	Examiner	Art Unit
	Baoquoc N To	2162
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
 This communication is responsive to <u>11/22/04</u>. 		
2. The allowed claim(s) is/are <u>1-2, 4-20 and 22-36</u> .		
3. The drawings filed on <u>04 April 2001</u> are accepted by the Ex	xaminer.	
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	been received. been received in Application No cuments have been received in this i	national stage application from the
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER'es reason(s) why the oath or declara	S AMENDMENT or NOTICE OF tion is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.	
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached
1) hereto or 2) to Paper No./Mail Date		-
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	ffice action of
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the		
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	sit of BIOLOGICAL MATERIAL n FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note the AL MATERIAL.
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	<u> </u>	atent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	 Interview Summary Paper No./Mail Dat 	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date		
4. Examiner's Comment Regarding Requirement for Deposit		nt of Reasons for Allowance
of Biological Material	9. 🗌 Other	/ Int

JEANM. CORRIELUS PRIMARY EXAMINER Application/Control Number: 09/841,777 Page 2

Art Unit: 2162

DETAILED ACTION

Request for Continued Examination

1. The request filed on 11/22/2004 for a Request For Continued Examination (RCE) under 37 CFR 1.53(d) based on parent Application No. 09/841777 is acceptable and a RCE has been established. An action on the RCE follows.

Claims 1 and 19 are amended in the amendment filed on 11/22/2004 and claims
 1-36 are pending in this application.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Roxana H. Yang Reg. No. 46,788 on 02/11/05 and 02/14/05.

Please amend the application as follow:

In claim 1, please replace claim 1 with;--"1. A computer implemented method for intelligently caching applications and data on a gateway, comprising the steps of: calculating a cache benefit index for a set of files, said cache benefit index; being calculated based at least on the frequency of updates of said set of files at said gateway, and

indicating a total benefit for caching said set of files;

determining whether to cache said set of files on a local file system based on said cache benefit index, wherein said determining includes the steps of: comparing said cache benefit index to previously calculated cache benefit index for said set of files, and allowing caching of said set of files if said cache benefit index is higher than said previously calculated cache index;

caching said set of files on said local file system; and updating a set of tables in a gateway database based on said caching."—Please delete claim [3].

In claim 19, please replace claim 19 with;--"19. A computer program product for use in conjunction with a computer system for intelligently caching applications and data on a gateway, comprising:

logic code for calculating a cache benefit index for a set of files, said cache benefit index;

being calculated based at least on the frequency of updates of said set of files at said gateway, and

indicating a total benefit for caching said set of files;

logic code for determining whether to cache said set of files on a local file system based on said cache benefit index, wherein said logic code for determining includes: logic code for comparing said cache benefit index to a previously calculated cache benefit index for said set of files, and logic code for allowing caching of said set of

Art Unit: 2162

files if said cache benefit index is higher than said previously calculated cache benefit index.;

logic code for caching said set of files on said local file system; and logic code for updating a set of tables in a gateway database based on said caching."--

Please delete claim [22].

Allowable Subject Matter

4. Claims 1-2, 4-20 and 22-36 are allowed over prior art made of records.

The following is a statement of reasons for the indication of allowable subject matter:

In claim 1, none prior arts alone or combination neither teach nor suggest "calculating a cache benefit index for a set of files, said cache benefit index; being calculated based at least on the frequency of updates of said set of files at said gateway, and indicating a total benefit for caching said set of files; determining whether to cache said set of files on a local file system based on said cache benefit index, wherein said determining includes the steps of: comparing said cache benefit index to previously calculated cache benefit index for said set of files, and allowing caching of said set of files if said cache benefit index is higher than said previously calculated cache index;" and in conjunction with "caching said set of files on said local file system; and updating a set of tables in a gateway database based on said caching."

Claims 2, and 4-18 are depended on claim 1; therefore, they are allowed under the same reason.

Claim 19 is a computer program product, which perform the method of claim 1, therefore, it is allowed under the same reason as claim 1.

Claims 20 and 22-36 are depended on claim 19; therefore, they are allowed under the same reason.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sasa Hideaki (JP publication No. 2000-029765).

Sasa discloses web caching method, the content updating frequency at a WEB server 20 and the reading frequency at a WEB client 10 are analyzed to decide the keeping period and the arrange place of cache data according to the analyzing result, and contents, which is read frequently at web client and frequently updated at the WEB server are stored on the memory of the WEB client, without storing in cache areas 12, 14 on a disk by the WEB client.

Lamparter (US. Patent No. 6,421,713 B1) Patent date: 07/16/2002.

Adrangi (US. Patent No. 6,651,141 B2) Patent date: 11/18/2003.

<u>NPL</u>

Serpanos et al. Effective caching of Web Objects using Jipf's law, date: July 30 to August 02, 2000, pages 727-730, Vo. 2.

Michael et al. A caching file system for a programmer's workstation, (ACM Symposium on Operating System principles, 1985, pages 25-34.

Art Unit: 2162

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To@uspto.gov. The examiner can normally be reached on Monday-Friday: 8:00 AM – 4:30 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached at 571-272-4107.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231.

The fax numbers for the organization where this application or proceeding is assigned are as follow:

(703) 872-9306 [Official Communication]

Baoquoc N. To

Feb 17th, 2005

JEAN ARY EXAMINER